

Appl. No. 10/712,708
Amdt. dated April 16, 2007
Reply to Non-Compliant Amend Notice of March 16, 2007

PATENT**AMENDMENTS TO THE CLAIMS:**

1. (currently amended): A heat dissipation module, comprising:

a fan having a shaft with a first end and an opposite second end, the first end of the shaft penetrating a hub of the fan and connecting to a heating element; and

a heat sink connected to the second end of the shaft;

wherein the shaft is a heat pipe, and the fan is disposed between the heat sink and the heating element ~~made from materials with high thermal conductivity.~~

2-3. (cancelled)

4.(withdrawn): The heat dissipation module according to claim 1, further comprising a base mounted on the heating element, and the shaft is fixed on the base to connect to the heating element.

5.(withdrawn): The heat dissipation module according to claim 4, wherein the base is formed with a plurality of teeth circularly arranged on its surface, and a gap is formed between two adjacent teeth.

6.(withdrawn): The heat dissipation module according to claim 5, wherein the teeth are made from materials with high thermal conductivity.

7.(withdrawn): The heat dissipation module according to claim 4, wherein the base is formed with a plurality of bumps on its surface.

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8.(withdrawn): The heat dissipation module according to claim 7, wherein the bumps are made from materials with high thermal conductivity.

9.(withdrawn): The heat dissipation module according to claim 4, wherein the base is formed with an opening, and the shaft is inserted into the opening to fix on the base.

10. (currently amended): A heat dissipation module, comprising:

- a ~~[[shaft]]~~ heat pipe made from materials with high thermal conductivity having a first end and an opposite second end, the first end of the heat pipe being connected
connecting to a heating element ~~and an opposite second end;~~
- a stator assembly fixed on the heat pipe ~~[[shaft]]~~;
- a rotor ~~pivotaly joined~~ rotatably connected to the heat pipe ~~shaft and kept a fixed distance from the stator assembly through magnetic interaction;~~ and
- a heat sink connected to the second end of the heat pipe.

11. (cancelled)

12. (currently amended): The heat dissipation module according to claim 10, wherein the materials ~~with high thermal conductivity~~ of the heat pipe ~~[[is]]~~ are selected from the group consisting of aluminum, copper, aluminum alloy, copper alloy and ~~[[their]]~~ compounds thereof.

13. (currently amended): The heat dissipation module according to claim 10, wherein the rotor is made from materials ~~with high thermal conductivity~~ selected from the group consisting of aluminum, copper, aluminum alloy, copper alloy and compounds

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thereof.

14. (original): The heat dissipation module according to claim 10, wherein the first end of the shaft is formed with an enlarged portion to increase an area in contact with the heating element.

15.(withdrawn): The heat dissipation module according to claim 10, further comprising a base mounted on the heating element.

16.(withdrawn): The heat dissipation module according to claim 15, wherein the base is interposed between the shaft and the heating element, and the shaft is fixed on the base to connect to the heating element.

17.(withdrawn): The heat dissipation module according to claim 15, wherein the shaft penetrates the base and touches the heating element.

18.(withdrawn): The heat dissipation module according to claim 15, wherein the base is formed with a plurality of teeth circularly arranged on its surface, and a gap is formed between two adjacent teeth.

19.(withdrawn): The heat dissipation module according to claim 18, wherein the shape of the teeth conforms to a flow channel design.

20.(withdrawn): The heat dissipation module according to claim 15, wherein the base is formed with a plurality of bumps on its surface.

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21. (new): A heat dissipation module, comprising:

a fan having a shaft with a first end and an opposite second end, the first end of the shaft penetrating a hub of the fan and connecting to a heating element; and

a heat sink connected to the second end of the shaft;

wherein the fan is disposed between the heat sink and the heating element, the materials of the shaft are selected from the group consisting of aluminum, copper, aluminum alloy, copper alloy and compounds thereof.

22. (new): The heat dissipation module according to claim 1, wherein the fan comprises a stator assembly and a rotor, the rotor is rotatably connected to the shaft.

23. (new): The heat dissipation module according to claim 21, wherein the fan comprises a stator assembly and a rotor, the rotor is rotatably connected to the shaft.

24. (new): The heat dissipation module according to claim 10, wherein the stator assembly is disposed between the heat sink and the heating element.

25. (new): The heat dissipation module according to claim 10, wherein the rotor is disposed between the heat sink and the heating element.